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FIG.1A

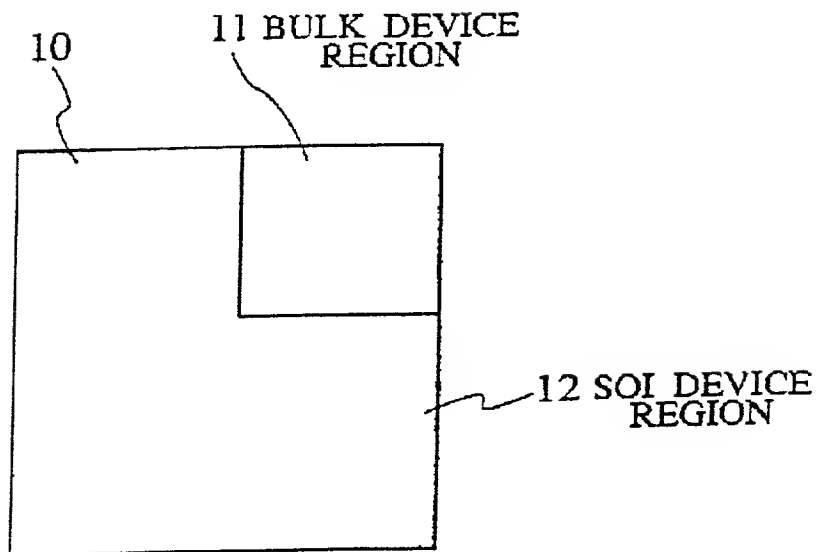
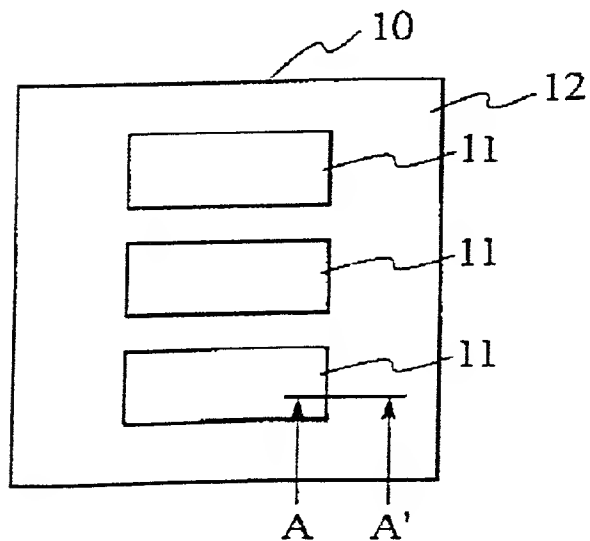
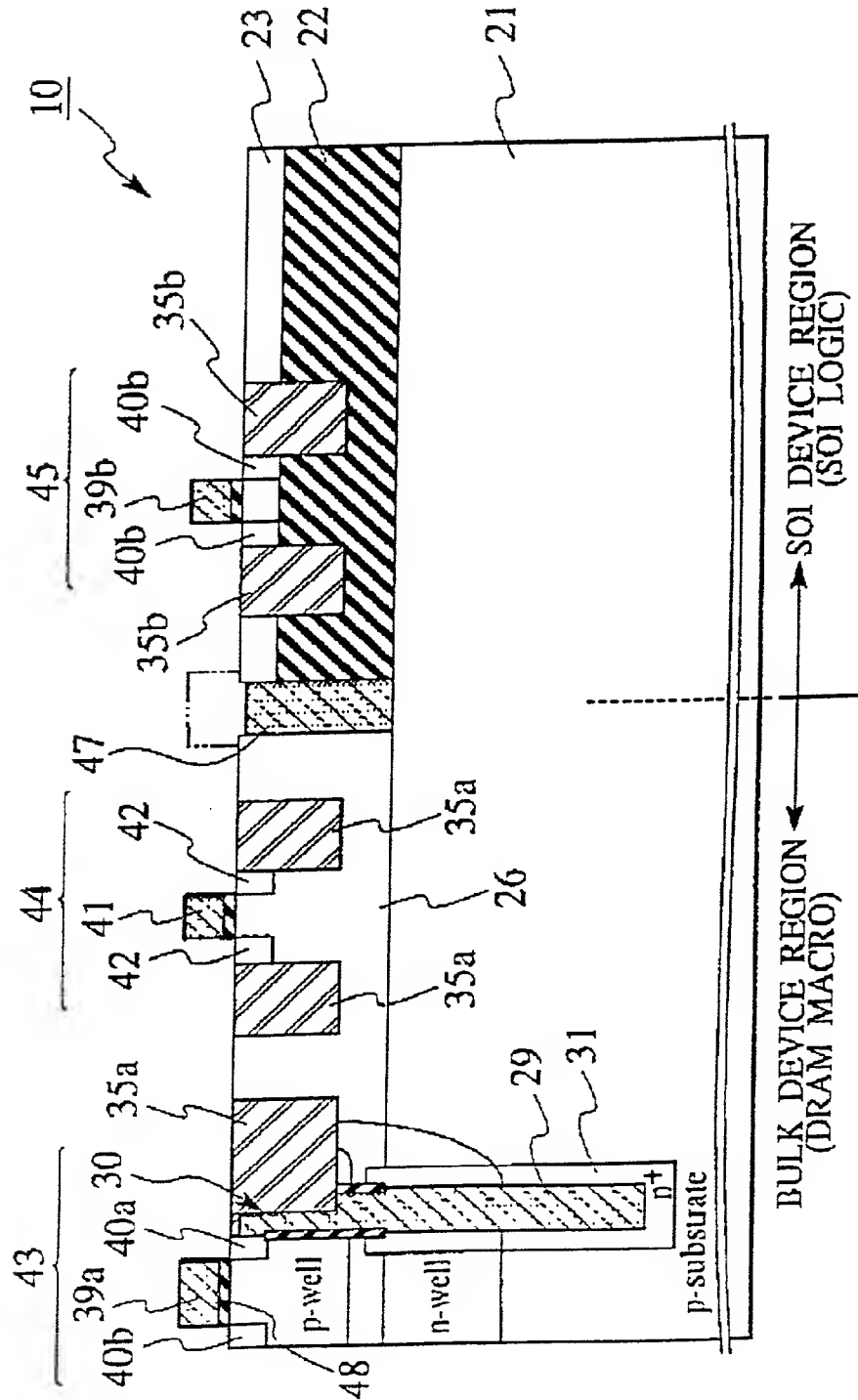


FIG.1B



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FIG.2



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FIG.3A

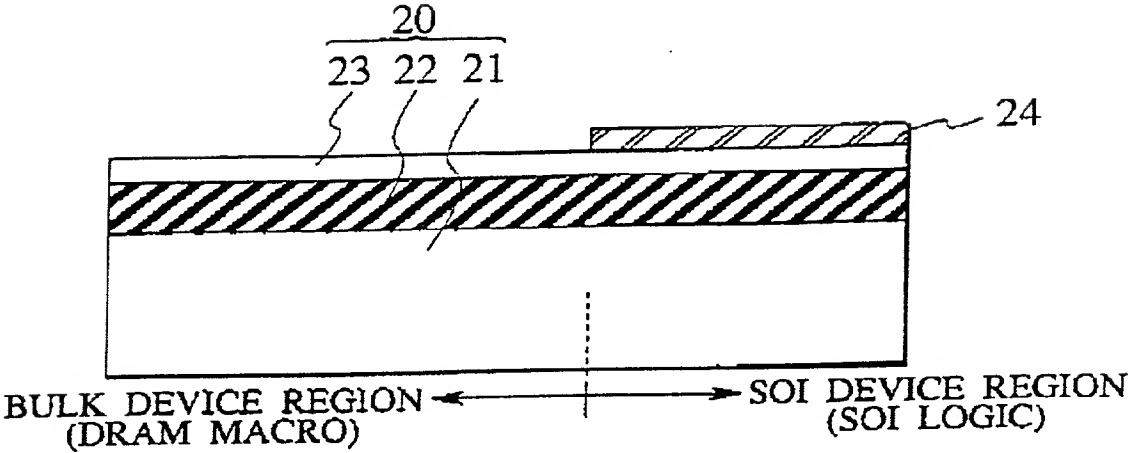


FIG.3B

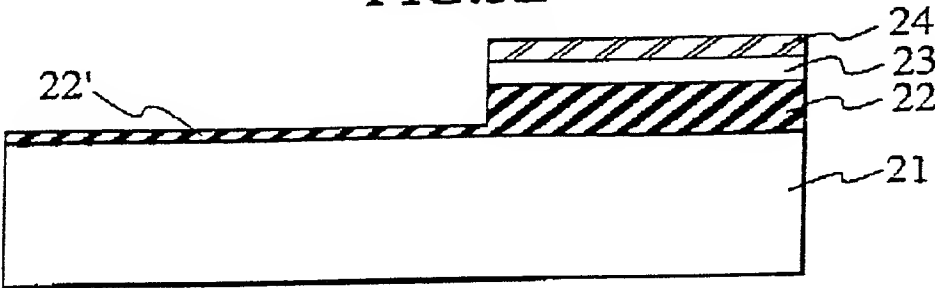


FIG.3C

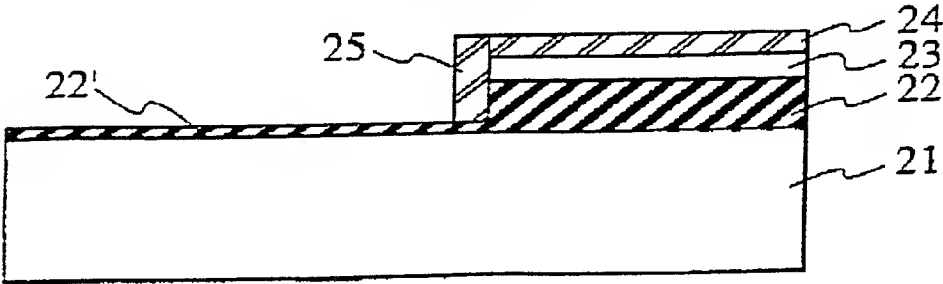
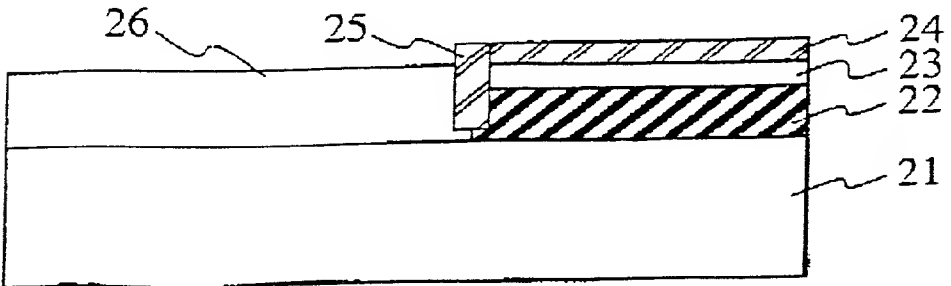


FIG.3D



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FIG.3E

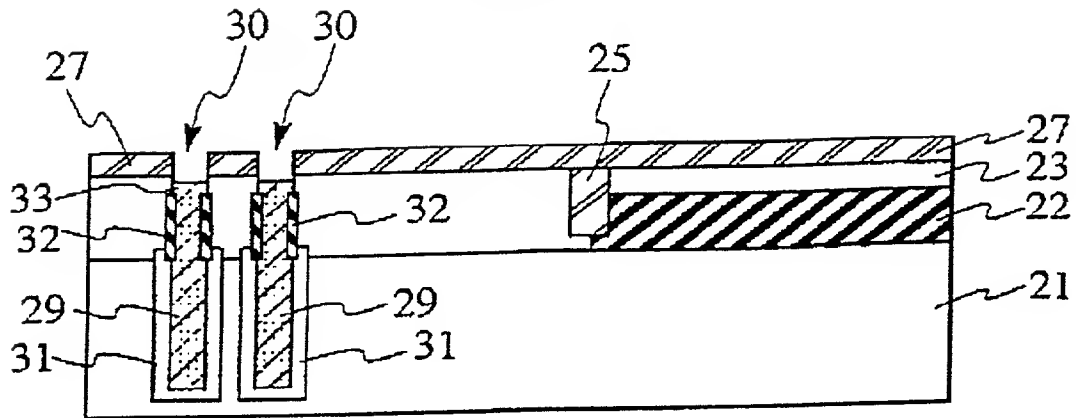


FIG.3F

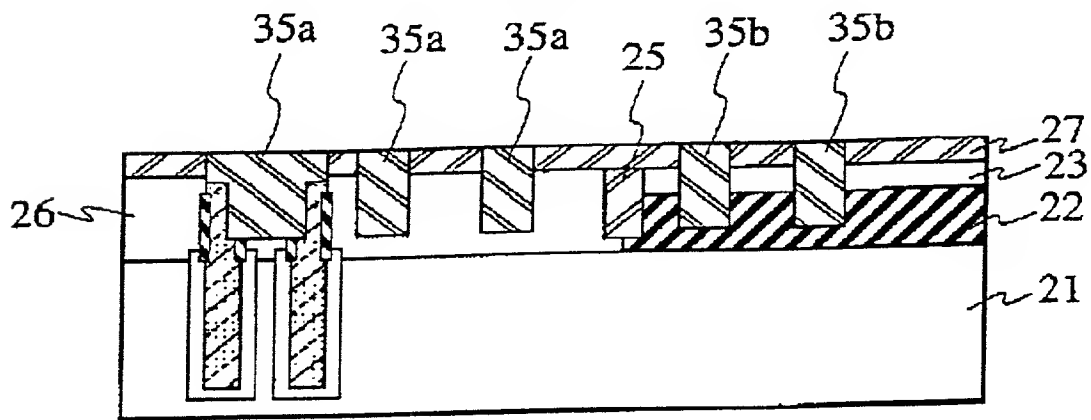
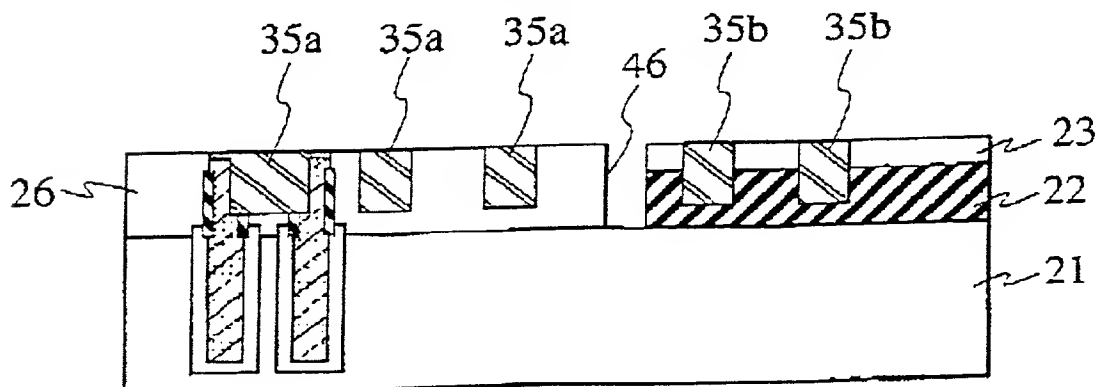


FIG.3G



Parameter	Value	Unit
Temperature	25	°C
Pressure	1.0	atm
Flow rate	1.0	L/min
Sample concentration	1.0	g/L
Sample volume	1.0	L
Sample weight	1.0	g
Sample size	1.0	mm
Sample shape	1.0	mm
Sample color	1.0	mm
Sample texture	1.0	mm
Sample density	1.0	g/cm ³
Sample viscosity	1.0	Pa·s
Sample conductivity	1.0	S/cm
Sample refractive index	1.0	-
Sample absorbance	1.0	-
Sample transmittance	1.0	-
Sample reflectance	1.0	-
Sample emissivity	1.0	-
Sample permeability	1.0	-
Sample porosity	1.0	-
Sample surface area	1.0	m ²
Sample volume fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction	1.0	-
Sample mass fraction	1.0	-
Sample molar fraction	1.0	-
Sample weight fraction	1.0	-
Sample mole fraction		

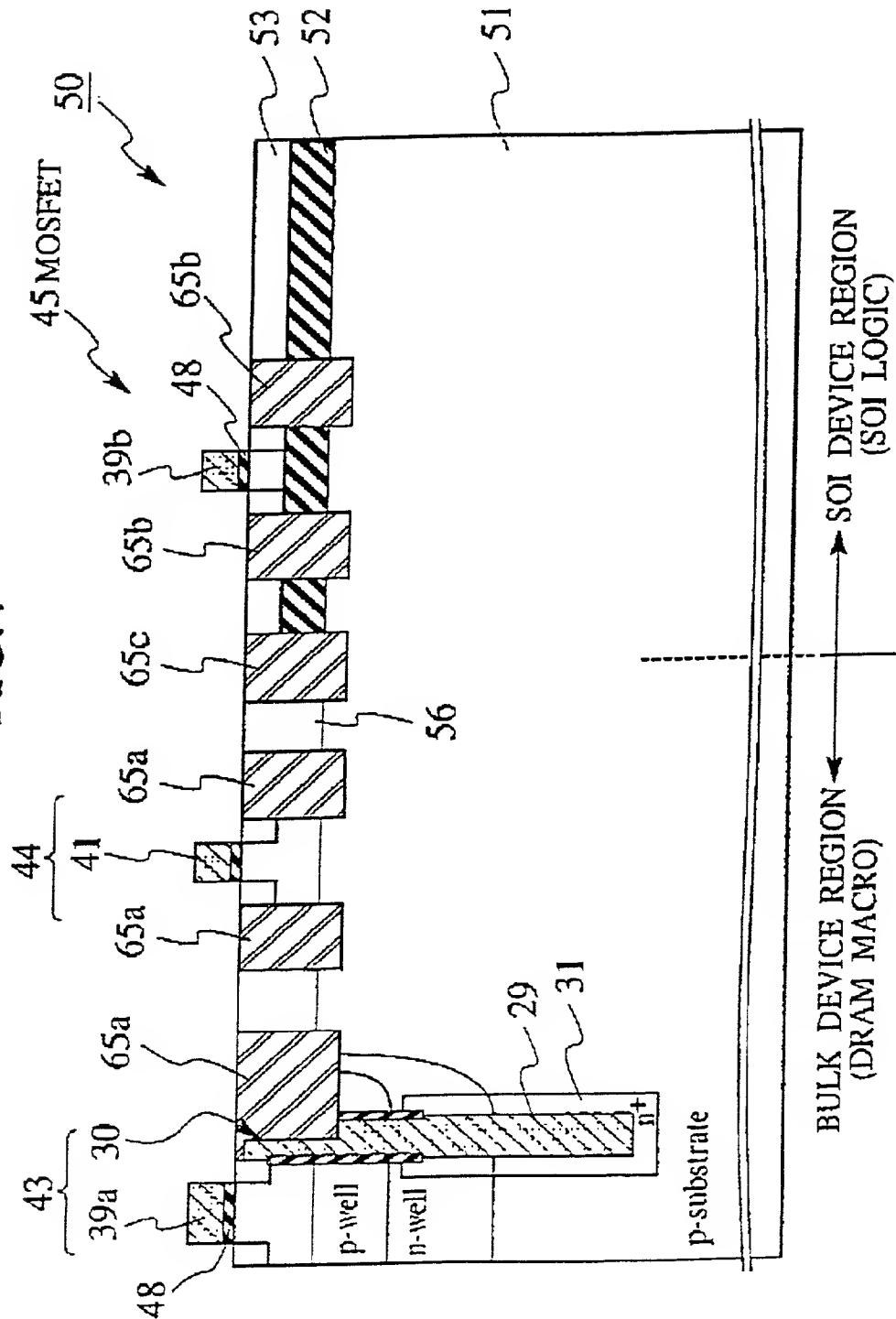
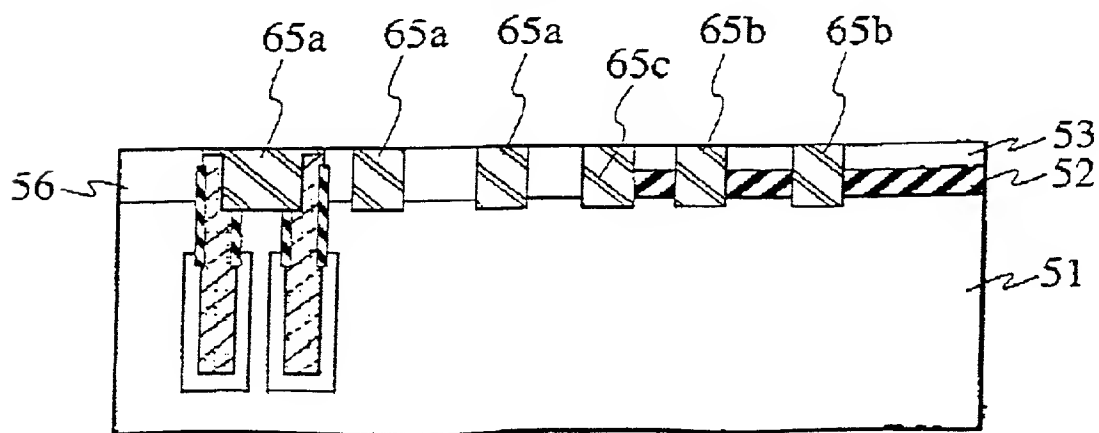
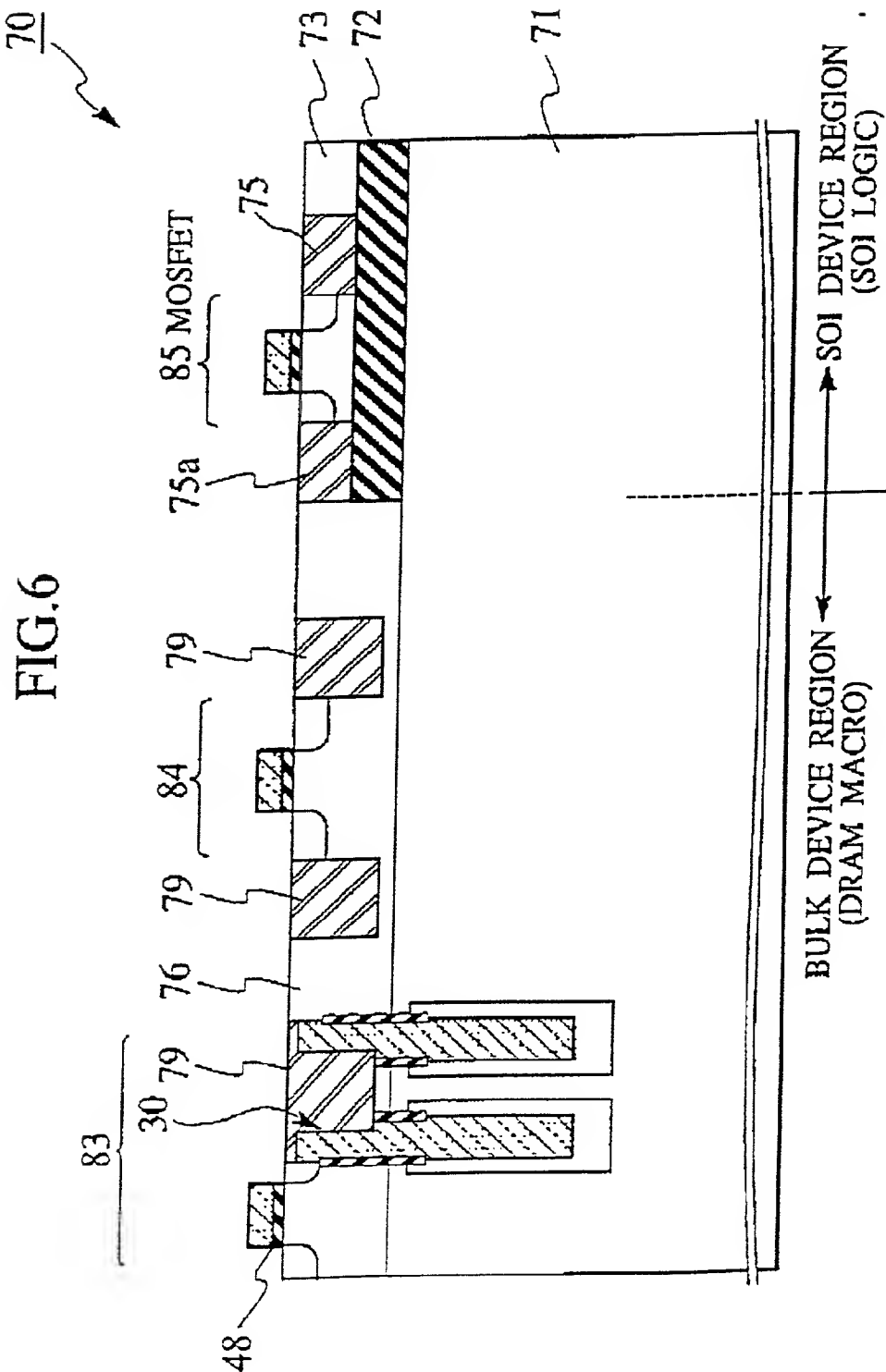


FIG.5A





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FIG.7A

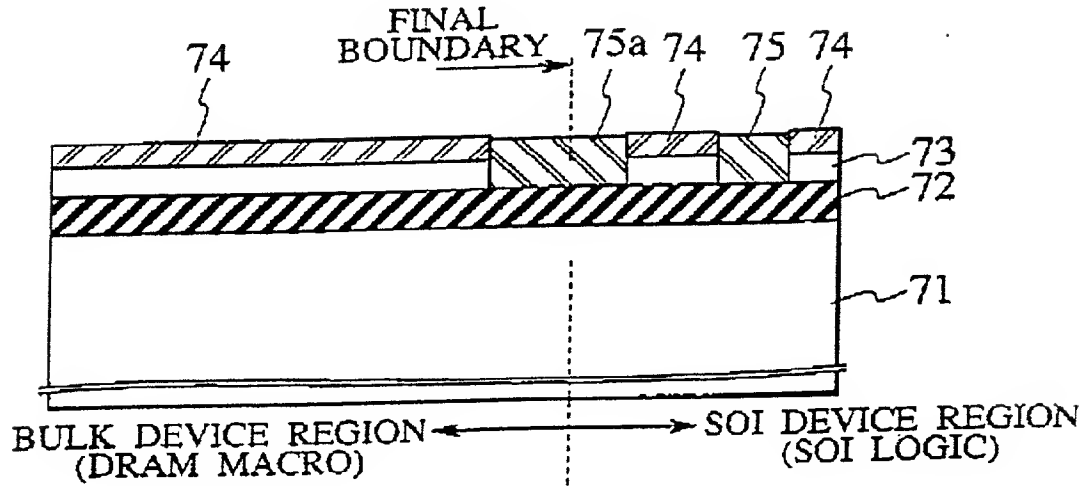


FIG.7B

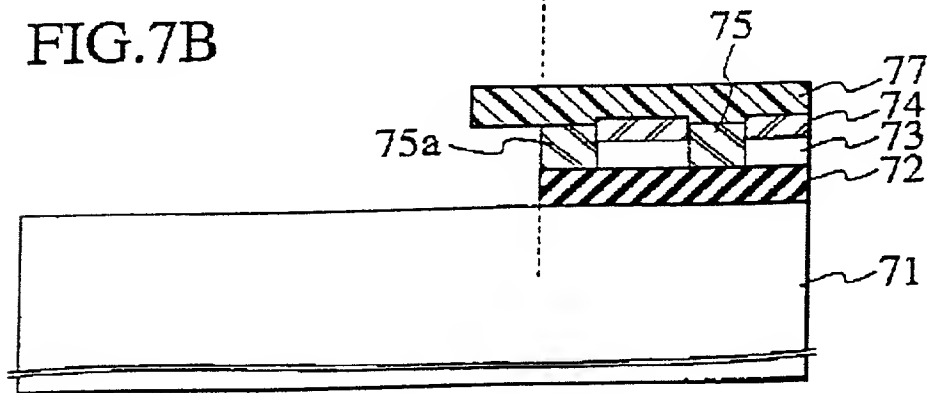
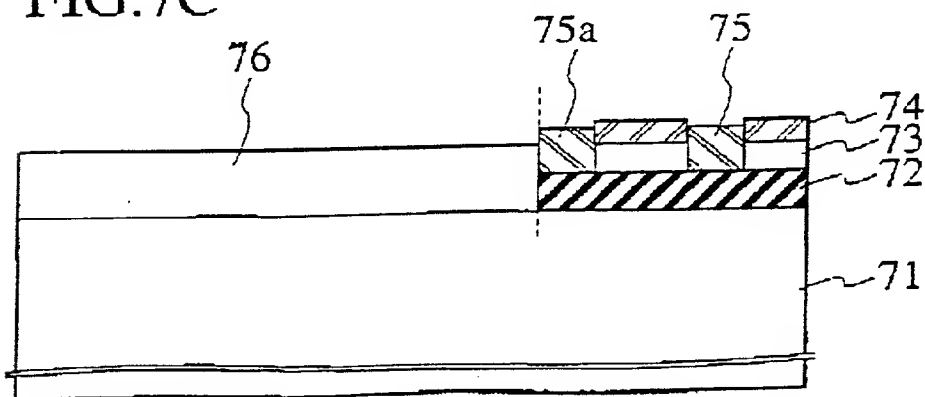


FIG.7C



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FIG. 7D

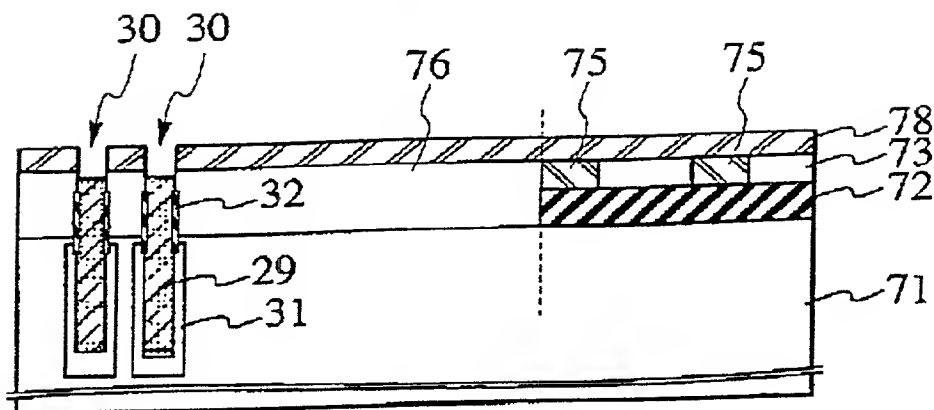


FIG. 7E

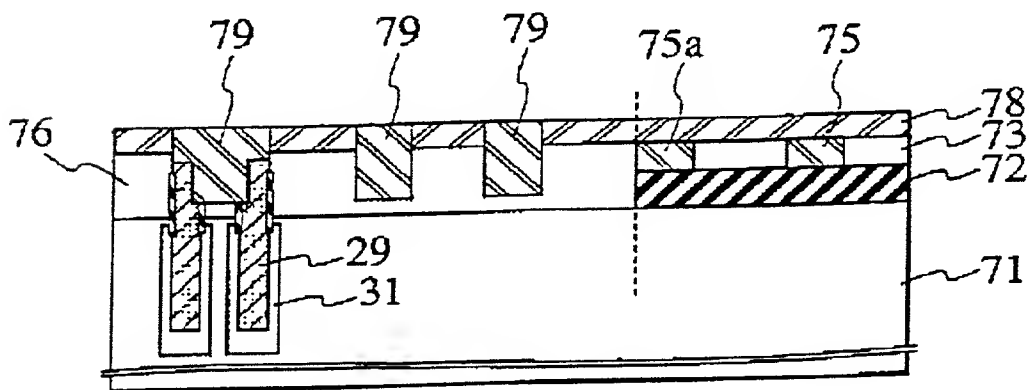
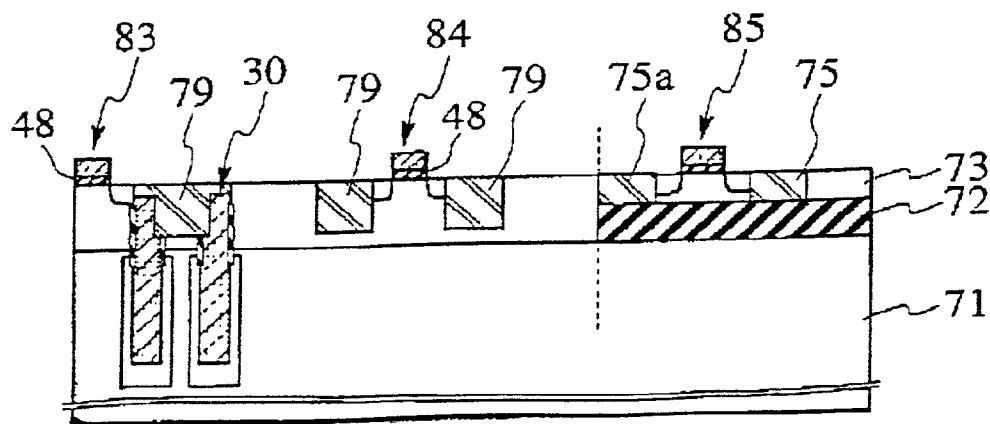


FIG. 7F



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FIG.8A

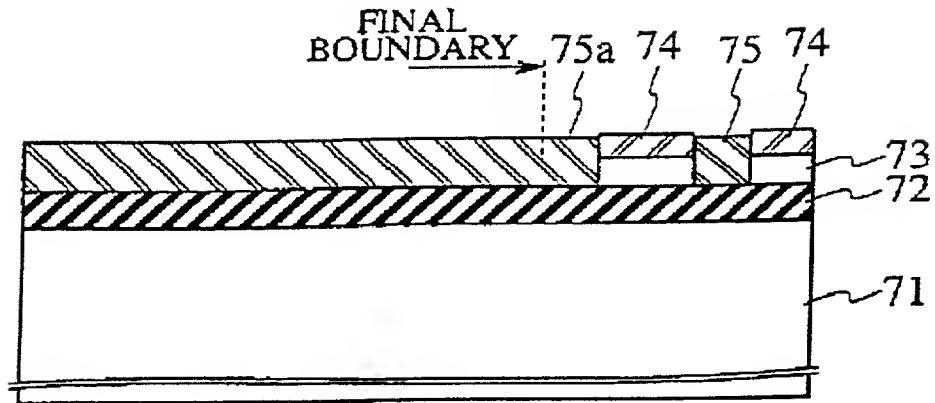


FIG.8B

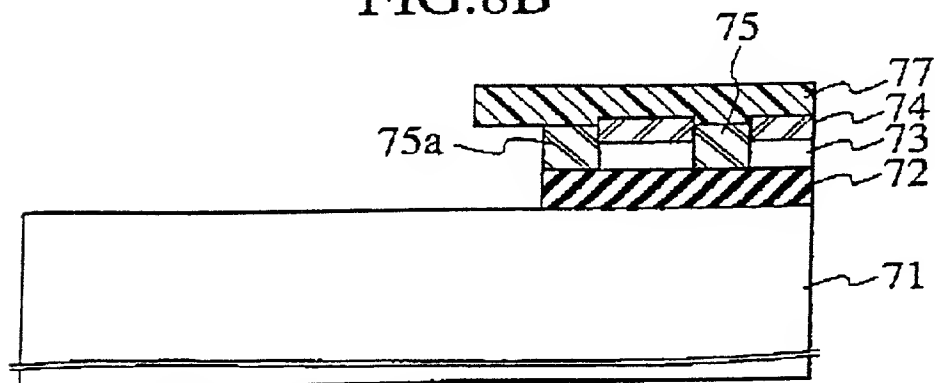
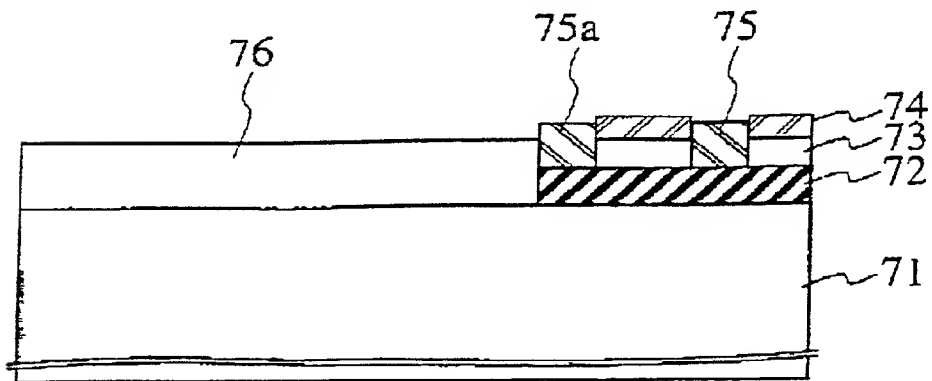


FIG.8C



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FIG.9A

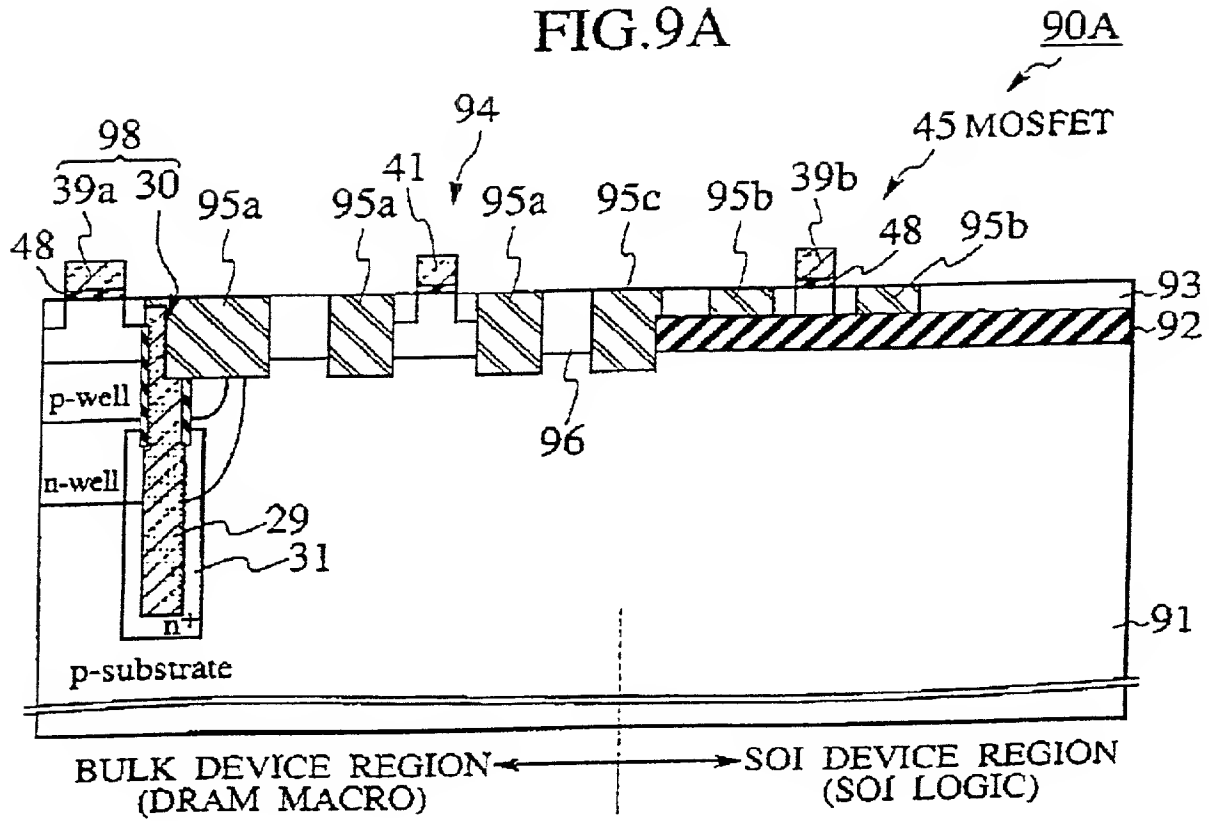


FIG.9B

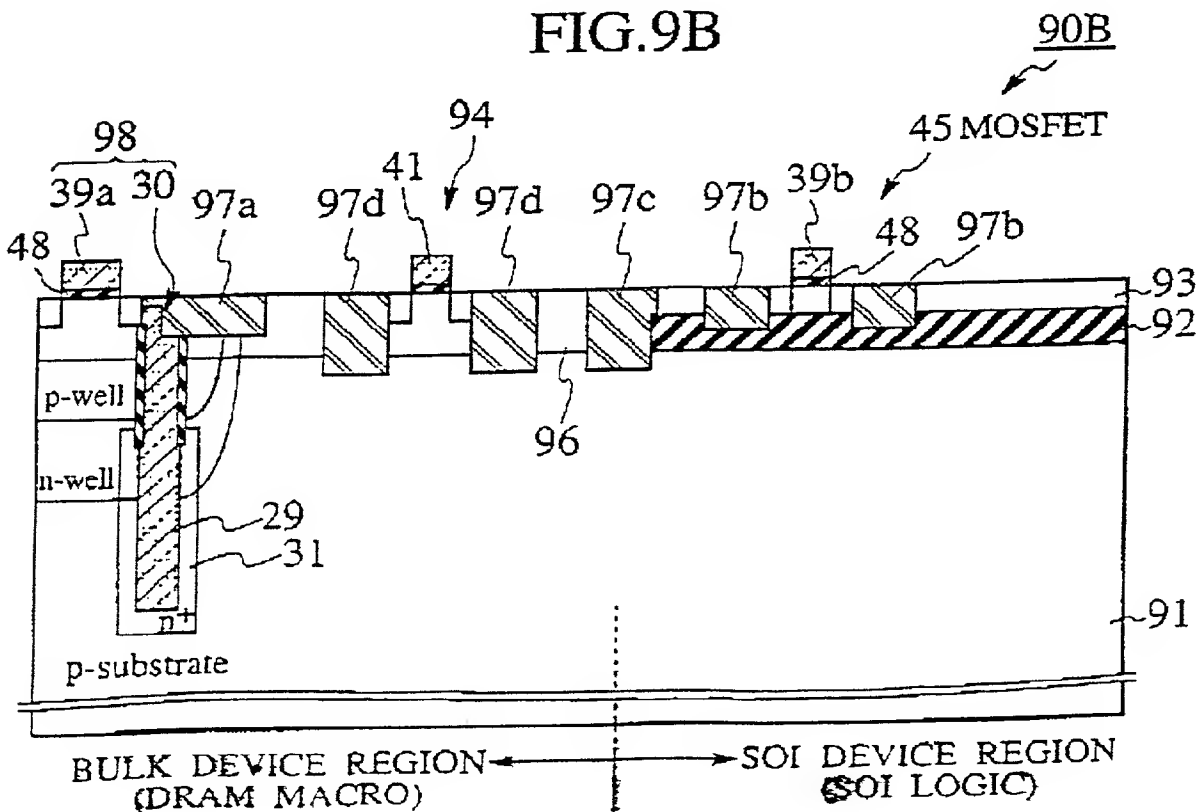
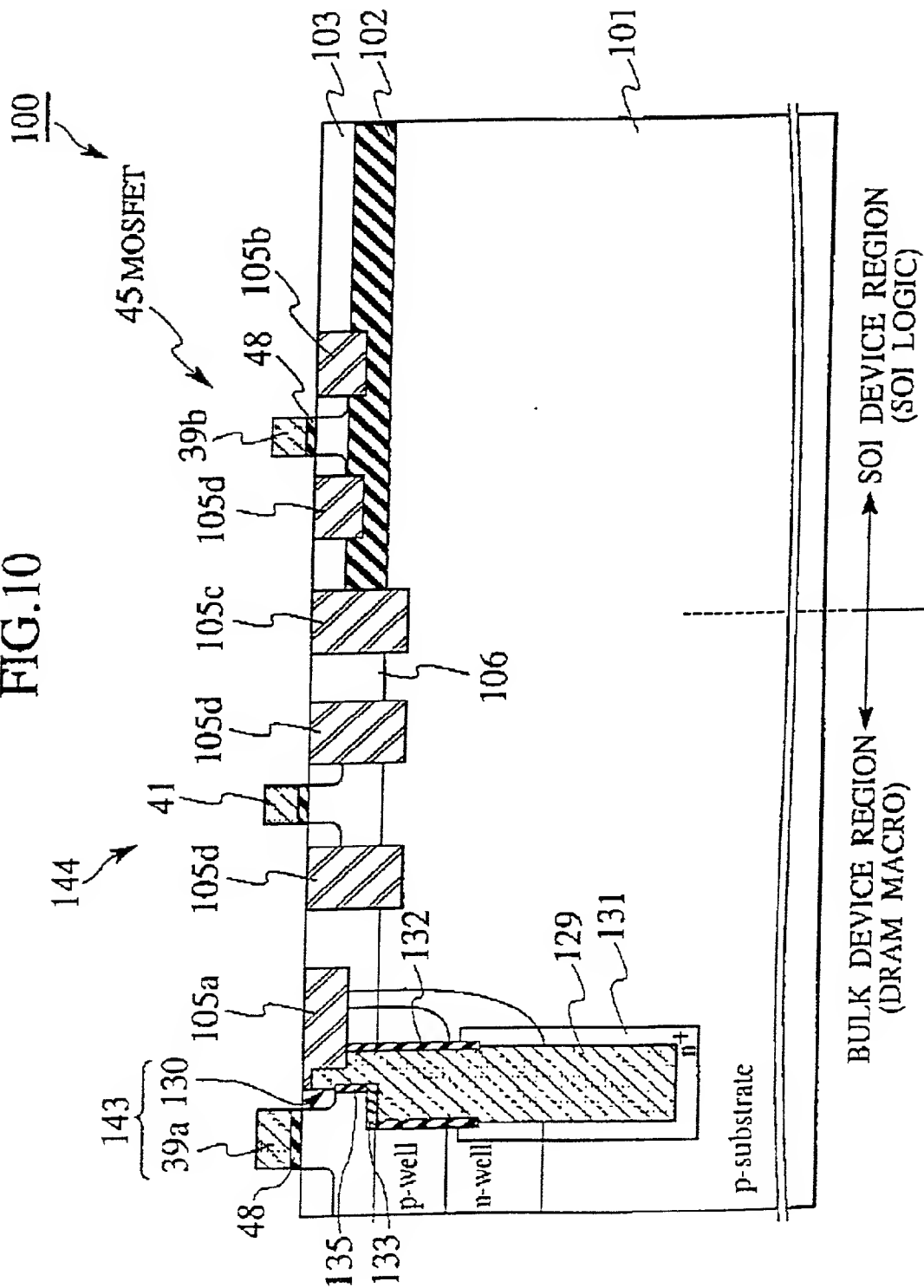


FIG. 10



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FIG.11A

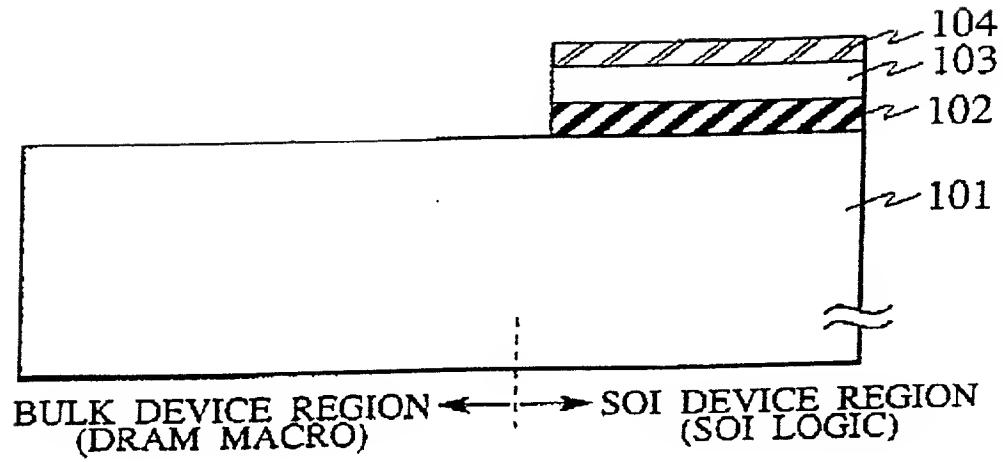


FIG.11B

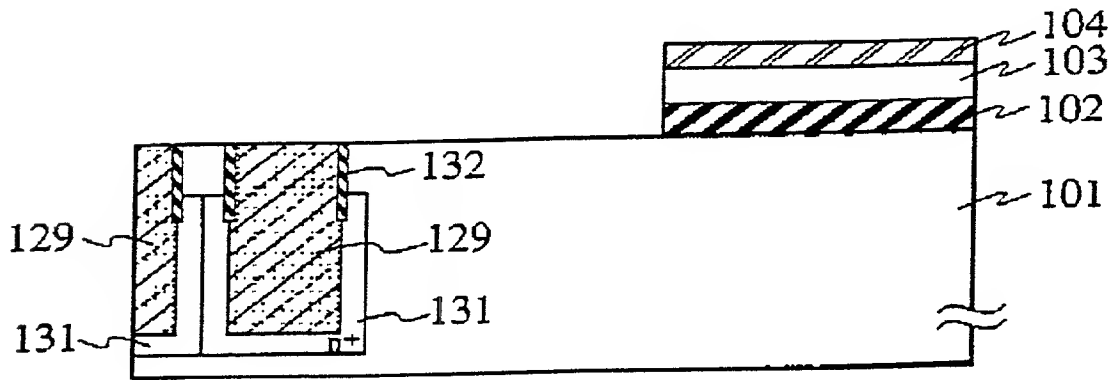


FIG.11C

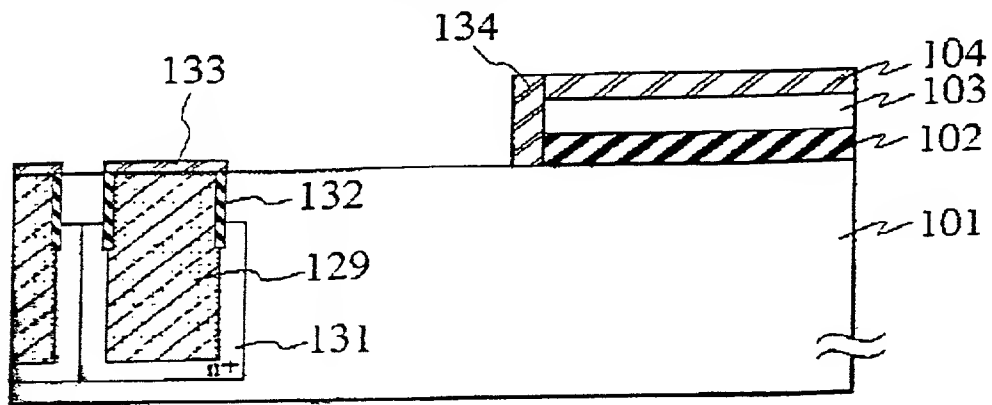


FIG. 11D

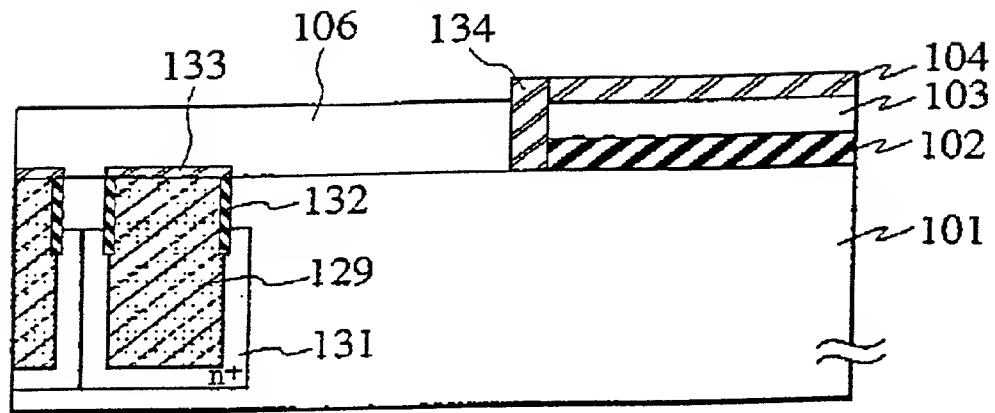
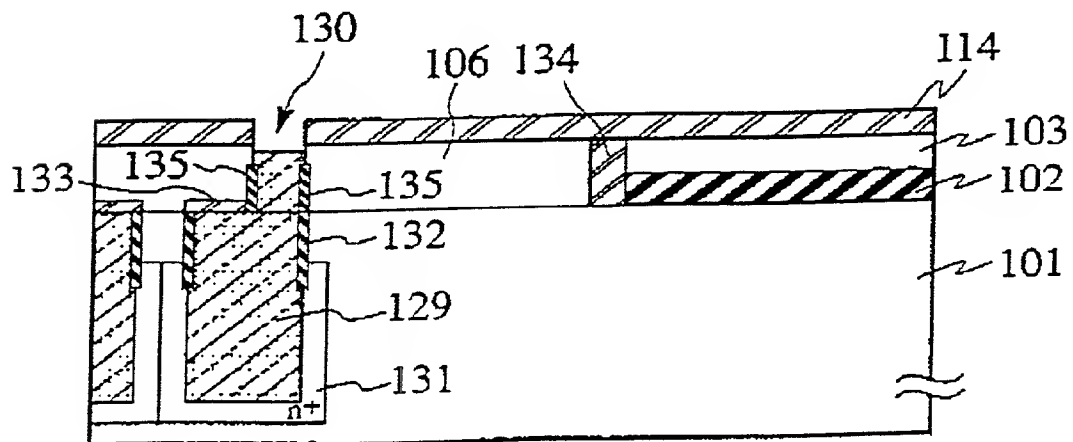


FIG.11E



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FIG.11F

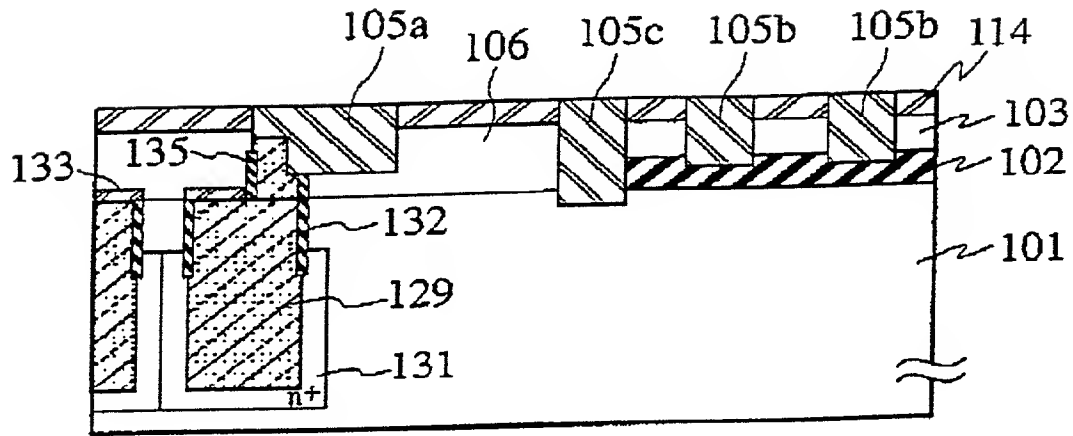
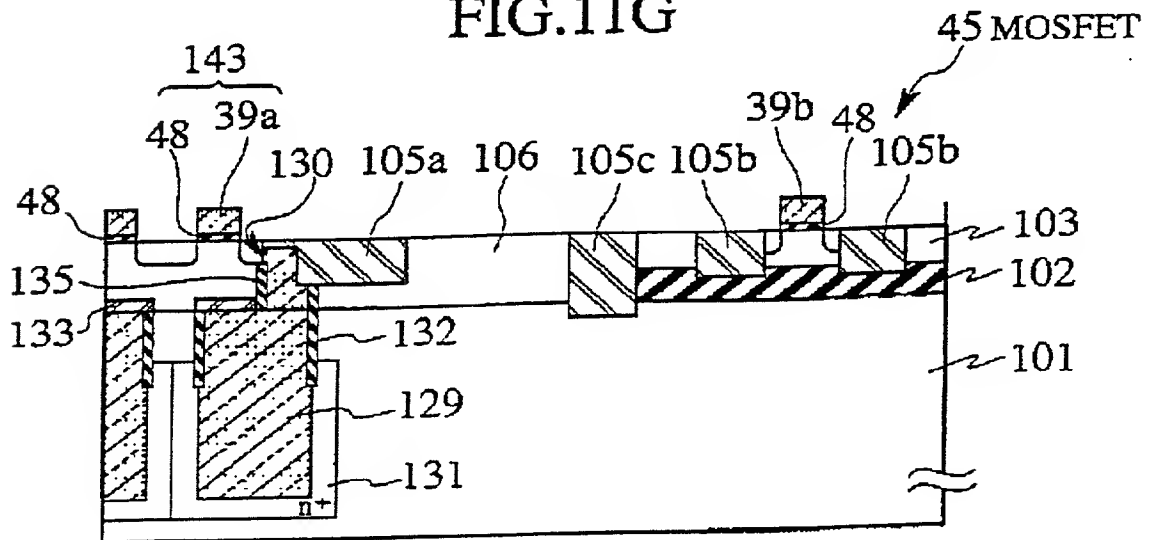


FIG.11G



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FIG.12

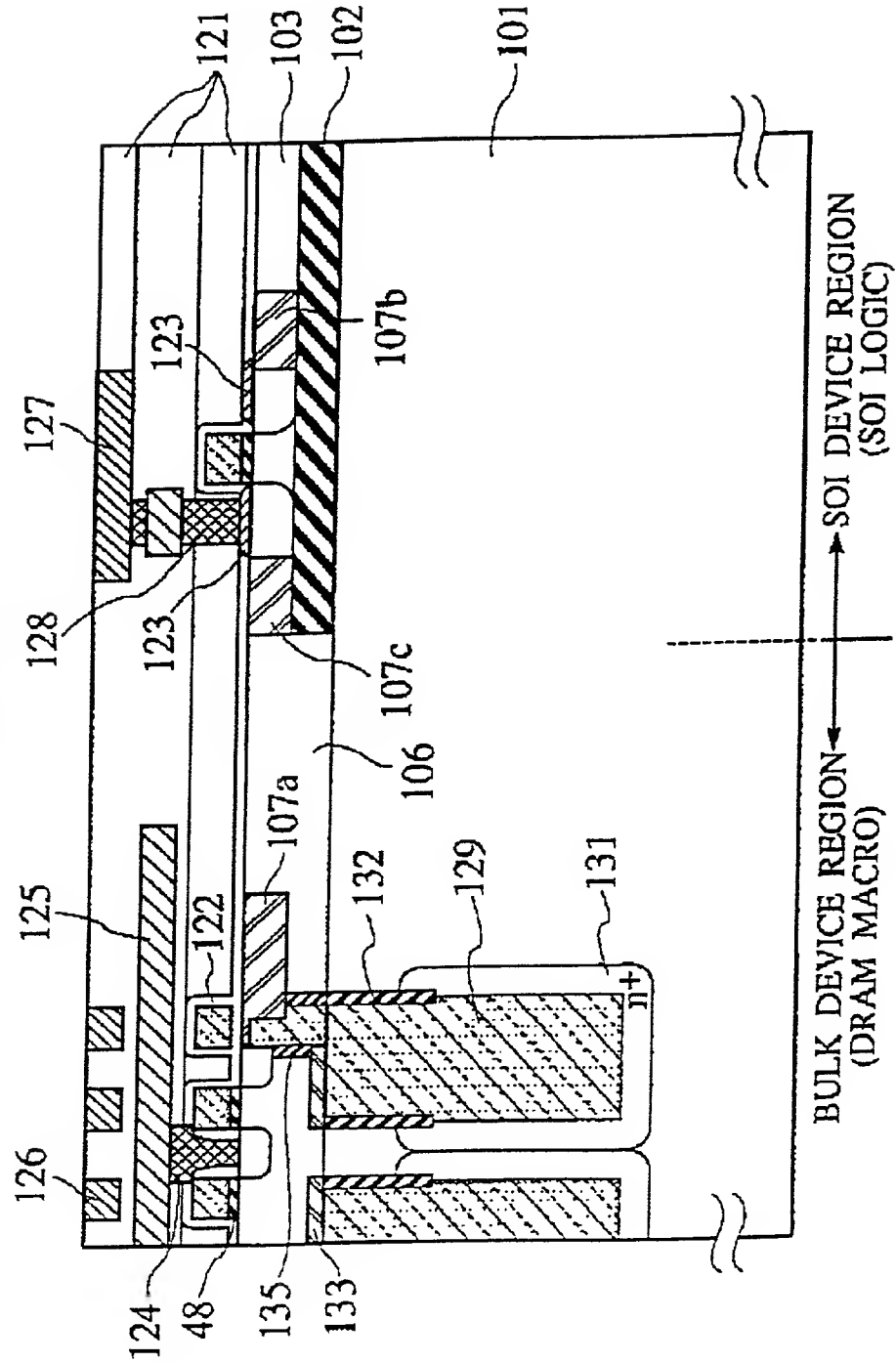
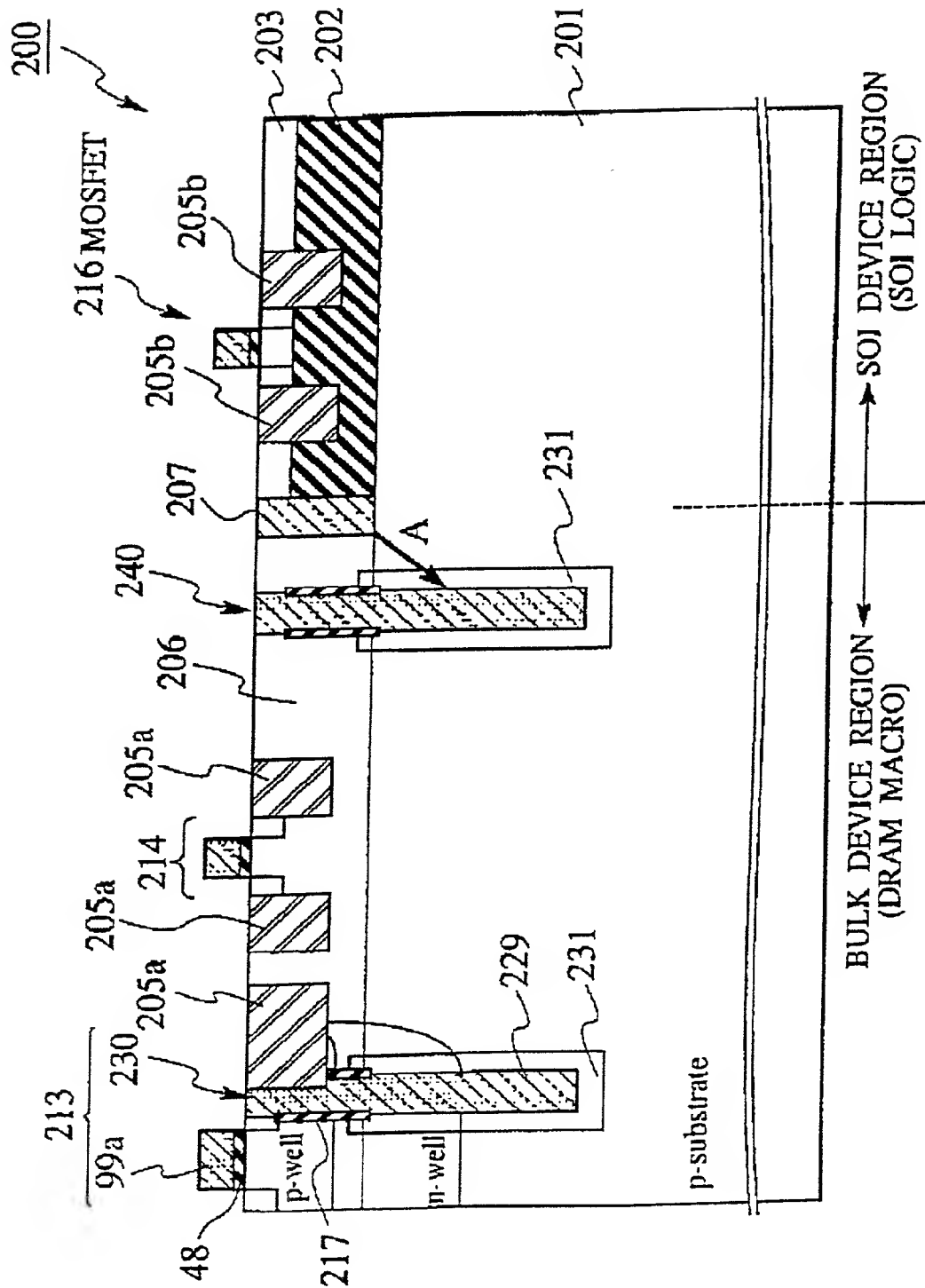
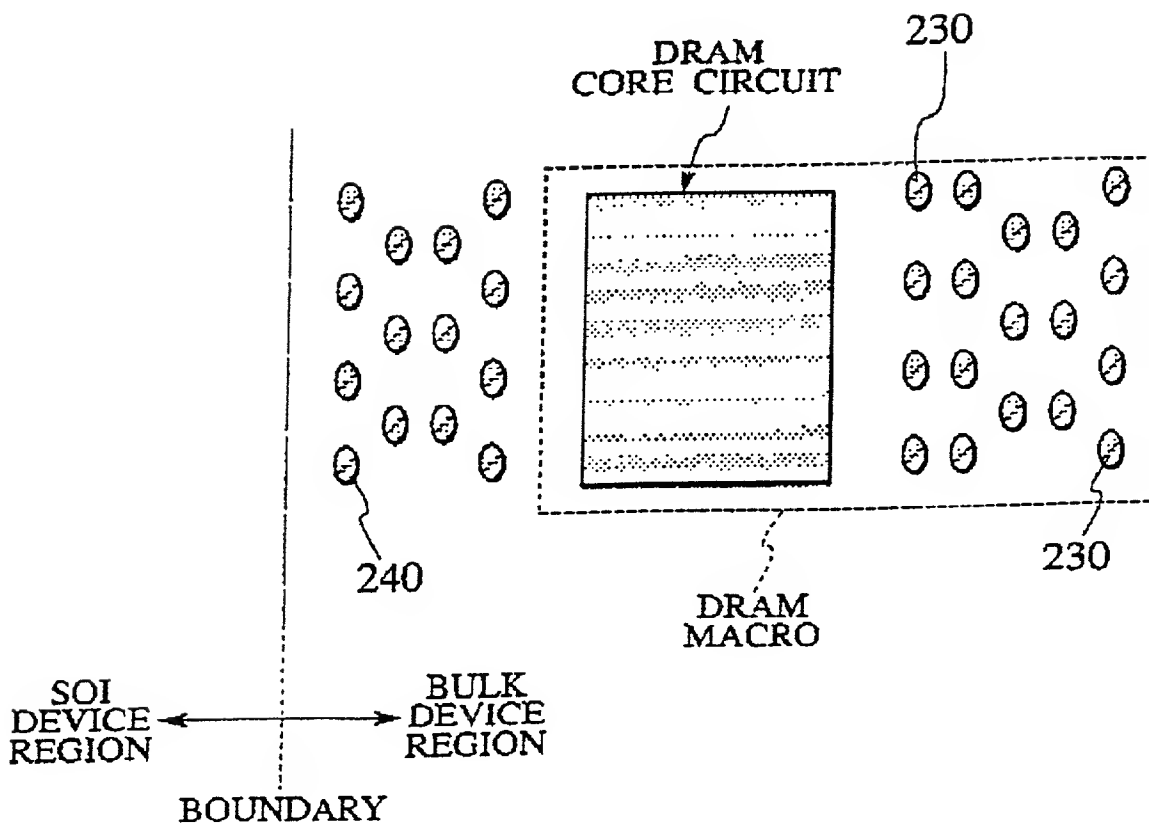


Table 1. Demographic characteristics of the study population	
Age (years)	65.5 ± 1.2
Gender	
Male	50.0
Female	50.0
Education (years)	12.5 ± 1.0
Marital status	
Married	60.0
Single	40.0
Occupation	
Retired	70.0
Unemployed	30.0
Income (USD/month)	1,200 ± 200
Health status	
Good	60.0
Fair	40.0
Poor	0.0
Comorbidities	
Hypertension	30.0
Diabetes	20.0
Cholesterol	10.0
Smoking status	
Smoker	10.0
Non-smoker	90.0
Alcohol consumption	
Regular	5.0
Occasional	15.0
Never	80.0



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FIG. 14



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FIG.15A

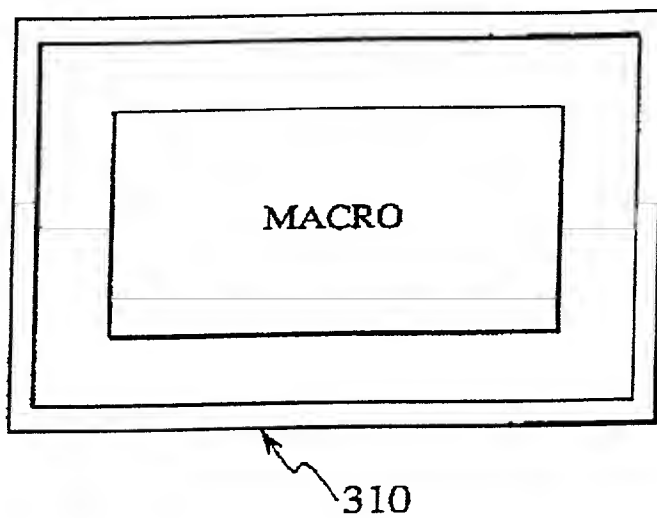


FIG.15B

